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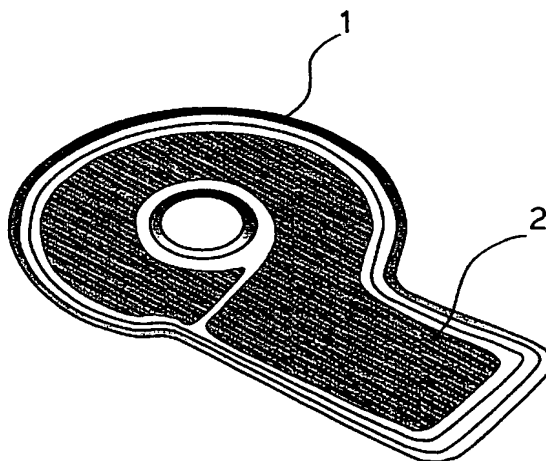
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(54) Title: CONDUIT WITH IMPROVED ELECTRIC HEATING ELEMENT AND CLOTHES DRYING MACHINE PROVIDED WITH SUCH A CONDUIT



(57) Abstract: Conduit (1) for conveying and heating a flow of gas, comprising in its interior at least an electric heating element (2) formed by a thick-film layer, in which said electric heating element (2) works as a positive temperature coefficient (PTC) element and is arranged peripherally in relation to the gas flow cross-section of the conduit, i.e. is oriented in a substantially parallel manner to the flow direction of said gas, so that the latter is not even partially obstructed by such a thick-film layer. In a preferred manner, this heating element (2) is subdivided into a plurality of individual and distinct heating elements arranged (R1, R2, R3) in parallel and energized in a successive and cumulative manner so that the initial power input can be maintained within pre-established limits, while the power input under steady-state conditions is reduced to a quite lower value, which is however still sufficiently high as to ensure an acceptable power output level.

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According to International Patent Classification (IPC) or to both national classification and IPC

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Information on patent family members

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